A New Hint to Transportation-Analysis of the NYC Bike Share System

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PROBLEM STATEMENTS

1) The government needs a way to analyze the NYC bike share system so that they can enhance the system and give residents and visitors a fun, safe, affordable and convenient alternative to walking, taxis, buses etc.

2) The goal of this analysis is to create an operating report of Citi Bike for the year 2018.

3) Citi Bike officials are pushing to make the program more robust and to broaden its reach. Financial viability increases with such larger bike-sharing programs. This could be seen by analyzing the total number of trips.

4) The top bikes used with respect to trip duration could be found by this analysis so that more of these bikes can be produced and more users can be attracted.

5) With the help of this analysis, the top 10 Start station names with respect to customer age group could be found so that the government can broaden the bike sharing system by increasing the number of bikes in those stations to make them readily available to all the potential users.

6) The gender of the customer as well as the subscriber could be assessed and the number of bikes used by respective age groups could also be computed.